

EPA SCIENCE ADVISORY BOARD
ADVISORY COMMITTEE ACTIVITY SUMMARIES
July 2001 - November 2001

OVERVIEW	Page 1
1. ADVISORY COMMITTEE SUMMARIES	Page 1
1.1 Clean Air Scientific Advisory Committee (CASAC)	Page 1
1.2 Advisory Council on Clean Air Compliance Analysis (COUNCIL)	Page 2
1.3 Drinking Water Committee (DWC)	Page 3
1.4 Ecological Processes and Effects Committee (EPEC)	Page 4
1.5 Environmental Economics Advisory Committee (EEAC)	Page 5
1.6 Environmental Engineering Committee (EEC)	Page 6
1.7 Environmental Health Committee (EHC)	Page 7
1.8 Integrated Human Exposure Committee (IHEC)	Page 7
1.9 Radiation Advisory Committee (RAC)	Page 8
1.10 Research Strategies Advisory Committee (RSAC)	Page 8
1.11 <i>ad hoc</i> Subcommittees of the Executive Committee (EC)	Page 9
1.11.1 Scientific and Technological Achievement Awards (STAA) Subcommittee	Page 9
1.11.2 National-Scale Air Toxics Assessment (NATA) Review Panel	Page 9
1.11.3 Arsenic Benefits Rule Review Panel	Page 9
2. ADVISORY COMMITTEE OPERATIONS	Page 10
2.1 Committee Operations Staff	Page 10
2.2 Reports Issued this Fiscal Year	Page 10
2.3 Reports in Progress	Page 11
2.4 Staff Contact Information	Page 12
2.5 Current Staffing Alignments	Page 12

Prepared for the
November 28-29, 2001 Executive Committee Meeting
by the Committee Operations Staff
of the EPA Science Advisory Board

OVERVIEW: This document was prepared by the Committee Operations Staff (COS) to summarize recent activities of the Standing and various *ad hoc* Committees of the EPA Science Advisory Board (SAB). These summaries are designed to supplement discussions at the November 28-29, 2001 meeting of the Board's Executive Committee in Washington, DC. This document includes committee summaries that cover the period since the last face-to-face Executive Committee meeting (July 17-18, 2001), a listing of COS Staff, a list of all SAB reports (full and letter size) issued during FY2001 (October 1 2000 - September 30, 2001), along with a listing of reports that are presently in progress. Final SAB reports mentioned below can be found on the SAB website (www.epa.gov/sab).

1. ADVISORY COMMITTEE SUMMARIES

1.1 Clean Air Scientific Advisory Committee (CASAC)

The Clean Air Scientific Advisory Committee (CASAC) has a statutorily mandated responsibility (under the 1977 and 1990 Clean Air Act Amendments) to review and offer scientific and technical advice to the Administrator on the air quality criteria and regulatory documents which form the basis for the national ambient air quality standards (NAAQS). NAAQS have been established for lead, particulate matter (PM), ozone and other photochemical oxidants (O₃), carbon monoxide (CO), nitrogen oxides (NO_x) and sulfur oxides (SO_x). The CASAC process normally includes review of the Office of Research and Development's (ORD) Air Quality Criteria Document (CD) for a given NAAQS, followed by a review of the Office of Air and Radiation's (OAR) Staff Paper (SP) for that NAAQS. The Criteria Document contains all the relevant scientific and technical information on the pollutant, while the Staff Paper is the bridge between the science in the criteria document and the policy decision that has to be made by the EPA Administrator. Sometimes the Committee reviews the regulatory proposal for a NAAQS prior to its promulgation. The Committee also offers research recommendations on a periodic basis, normally following its review of a particular NAAQS. The Committee is currently involved in the review cycle for PM and Carbon Monoxide; and will begin the review cycle for Ozone shortly.

a) Recent and Planned Activities

1) Particulate Matter (PM) NAAQS - a) Criteria Document/Staff Paper - A detailed peer review of the Second External Review Draft of the Criteria Document took place on July 23-24, 2001 in Research Triangle Park, NC. The Committee also conducted a consultation on the Preliminary PM Staff Paper and the Draft PM Risk Assessment. Additional reviews of this documents will take place at two meetings planned for Summer 2002. b) PM Research Strategy - The Committee last met on June 10, 1999 and issued a report. A teleconference meeting to review the revised document is planned for second quarter 2002, but is not yet scheduled; c) Fine Particles - The CASAC Subcommittee for Particle Monitoring (the "Subcommittee") is providing advice to the Office of Air and Radiation on PM monitoring activities. The Subcommittee plans to hold several meetings over the next few years to respond to its developing charge and to ensure that appropriate coordination is established with the NRC Committee on particles. Most recently, the Subcommittee met on October 1, 2001 via teleconference to conduct a Consultation on the Agency's Proposed Methodology for Measuring Coarse Particulate Matter. A follow-up meeting is planned for the second quarter of FY2002 to review the Agency's draft Continuous Monitoring Implementation Plan.

2) Carbon Monoxide (CO) NAAQS - In January 2000, the Committee completed its review (reaching closure) of the CO Criteria Document. A meeting on the first draft of the CO Staff Paper has been delayed to FY2003 due to the need for the Office of Air to complete work on a report to Congress on CO.

3) Ozone NAAQS - The Committee plans to review the Development Plan for the Ozone Criteria Document, the Ozone Research Strategy, and Ozone Research Needs documents at a meeting that is planned for the second quarter of FY2002.

b) An Update on Membership

Under the CASAC authorizing statute (1977 CAAA; 42 USC 7409), the Committee is limited to seven members - three of which have specific criteria (NAS Member; Physician; & State Air Quality Representative). In October 2001, the Administrator appointed the following experts to two-year terms on CASAC -- Dr. George Taylor of George Mason University, Mr. Richard Poirot of the Vermont Department of Environmental Conservation, and Dr. Frank Speizer of Harvard Medical School. The Administrator also renewed Dr. Sverre Vedal of the National Jewish Medical and Research Center for an additional two-year term. No changes are expected for FY2003 as the other three Members are expected to be renewed for second terms. .

1.2 Advisory Council on Clean Air Compliance Analysis (COUNCIL)

a) Background

The Council has its origin in the requirements of Section 812 of the Clean Air Act Amendments of 1990. That section mandated that a Council be established to provide independent advice on technical and economic aspects of analyses and reports that the Agency prepares concerning the impacts of the Clean Air Act on the public health, economy, and the environment of the United States.

Historically, the Council has provided advice to the Agency in its development of two major reports: the "retrospective study," The Benefits and Costs of the Clean Air Act: 1970 to 1990 (submitted to Congress in October 1997) and the "first prospective study," The Benefits and Costs of the Clean Air Act, 1990 to 2010 (submitted to Congress in November 1999). In FY 2001, the Council provided advice to the Agency on an "analytical blueprint" for the "second prospective study" (covering the time period 2000-2020). In each case, the Council advised the Agency on the major goals, objectives, methodologies, and analytical choices for the study before it is implemented. The Council has two standing subcommittees, the Health and Ecological Effects Subcommittee (HEES) and the Air Quality Modeling Subcommittee (AQMS).

b) Activities since the last EC Meeting

A special panel of the Council, with representatives from the HEES and the AQMS, held a public meeting on July 9-10, 2001 and a public teleconference on August 9, 2001 to develop an Advisory on the Agency's Analytical blueprint. The Council sent an Advisory (Review of the Draft Analytical Plan for EPA's Second Prospective Analysis - Benefits and Costs of the Clean Air Act 1990-2020, EPA-SAB-COUNCIL-ADV-01-004) to the Administrator in September. SAB Staff sent communications describing the Council's work over the summer to Capitol Hill Staff who had requested to be kept informed of Council activities during the Council members' Capitol Hill visit in February 2001.

In its most recent report, the Council gives advice on how to improve the Agency's process for developing the second prospective 812 analysis. It identifies areas for key methodological enhancements in the analysis, including: a) the treatment of benefits to ecosystem services, especially non-market services (beyond just commercially exploited natural resources); b) assessment of the social costs of compliance (costs that go beyond just the direct compliance costs to regulated entities); c) evaluation of the benefits and costs of regulating hazardous air pollutants; and d) further disaggregation of benefits and costs.

The Advisory provides advice on how the Agency might disaggregate costs and benefits to best inform policy decisions. It suggests approaches for conducting uncertainty analyses. Finally, the Advisory identifies important areas in the analysis that could benefit from research, including credible methods to quantify and monetize the effects of marginal changes in air pollution on ecosystem processes.

c) Future Activities

The Council and its subcommittee anticipate reviewing drafts of the "second prospective study" in FY 2002. In addition, the Agency may request Council and SAB assistance with a new review of literature related to valuation of ecosystem services. This review may involve convening a special panel of ecologists and economists, with participants drawn from both the membership of the Council and HEES, as well as others with relevant expertise. The Council advised that such a panel be formed to pursue the prospects for generating acceptable place-holder values for ecosystem services benefits from the Clean Air Act that can be recommended to the Agency for use in the next 812 analysis.

d) An Update on Membership

There was no change in Council membership for FY 2002. The Administrator renewed one member of the Council for a two-year term. For FY 2003, in contrast, many membership issues must be addressed. The terms of ten members of the eleven-member Council will end. Three are "first-termers," three are "second-termers," three are "third-termers," (this category is especially important because it includes the Chairs of the HEES and the AQMS); and one is the Chair of the Council. SAB staff has consulted with the Council Chair, the chief Agency contact for the Council, and the Agency's Chief economist on the membership issue. A call for new members for the Council, as well as the HEES and the AQMS also appeared in the FEDERAL REGISTER this summer.

SAB staff plans to analyze the candidates suggested and confer with the Chair to develop a proposed slate for recommending to the Administrator by the end of January. In addition, SAB staff will work with the Chair of the Council and the Chairs of its two subcommittees to identify new members for those subcommittees (who may be SAB Members and Consultants, or individuals new to the Board, who would serve in the capacity of SAB Consultants). One longtime consultant to the HEES resigned during the course of the development of the Council Advisory this summer.

1.3 Drinking Water Committee (DWC)

The EPA Science Advisory Board is mandated by the 1996 Safe Drinking Water Act (SDWA) Amendments to comment on drinking water regulations prior to promulgation. The Drinking Water Committee (DWC) carries out this mandate for the Board by reviewing various scientific and technical documents associated with the Office of Water's SDWA regulatory activities. The DWC also reviews

various drinking water research plans and products for EPA's Office of Research and Development and observes EPA Stage 2 drinking water regulation stakeholder meetings to both learn more of this EPA approach to achieving its mission and to help the program office identify scientific and technical issues that might benefit from SAB interaction.

a) Recent Activities

1) The DWC met by telephone conference on September 25 and 26, 2001 to plan for its review of the proposed Long Term 2 Enhanced Surface Water Treatment Rule and the Stage 2 Disinfection Byproducts Rule. These reviews are conducted pursuant to Section 1412(e) of the Safe Drinking Water Act which require EPA to request comments from the SAB on its National Primary Drinking Water Regulations prior to proposal. This telephone conference meeting was quickly organized after the September 11 national tragedies in lieu of a face-to-face meeting to initiate these reviews that been announced earlier in the Federal Register.

The Committee has organized the two reviews according to the structure of the charge that was given to the panel. That charge asks the SAB to review and comment upon: 1) LT2ESWTR – the Agency's method for estimating the national level of *Cryptosporidium* in drinking water; the Agency's pre- and post-regulatory risk estimates for cryptosporidiosis; and the Agency's assessment of the effectiveness of a suite of microbial treatment technologies in removing/inactivating *Cryptosporidium*; and 2) S2DBPR – to comment upon the appropriateness of the Agency's Initial Distribution System Evaluation approach to identifying peak levels of disinfection byproducts in the drinking water distribution system; and whether the proposed regulatory monitoring approach (a Locational Running Annual Average) was more protective of public health than that of the existing monitoring approach (Running Annual Average).

b) Future Activities

The DWC will meet in Los Angeles, CA from December 10-12, 2001 to complete its review of the LT2ESWT and the S2DBP rules.

c) Status of Reports in Progress

The report on the Contaminant Candidate List Research Plan is still under preparation for delivery to the Administrator. It has been on the slow track due to efforts being applied to the Arsenic benefits review and to the expanded efforts now ongoing in developing the review panels for the December 2001 DWC meeting.

1.4 Ecological Processes and Effects Committee (EPEC)

a) Activities since the last Executive Committee meeting

On July 18-20, 2001, the Committee met in Cincinnati, OH to conduct two reviews:

(1) draft guidance on *Planning for Ecological Risk Assessment: Developing Management Objectives*, developed by a technical panel of the EPA Risk Assessment Forum to guide the planning phase that precedes ecological risk assessment. The guidance is intended primarily to help decision-makers work with risk assessors, stakeholders, and other analysts to plan for ecological risk assessments that will effectively inform the decisions they need to make. The EPEC report was approved by the Executive Committee on November 14, 2001.

(2) the **Southeastern Ecological Framework** is a GIS-based decision model that uses a series of data layers to identify optimal ecological areas in the Southeast and connecting “greenways” or habitat corridors. The Committee evaluated the mix of data layers and the model for integrating them, and considered possible applications of the approach in other areas of the country. The Committee’s report is under development and will be forwarded to the Executive Committee for a future meeting.

The Ecological Processes and Effects Committee special panel review of the Water and Watersheds portion of the Agency’s Science to Achieve Results (STAR) Program was approved by the Executive Committee at its November 14, 2001 meeting. The final report (EPA-SAB-EPEC-02-001) has been sent to the Administrator.

EPEC’s work on a Framework for Reporting on Ecological Condition and Review of the Ecological Management Objectives Guidance was presented by EPEC member Dr. Pittinger at a special session at the Society for Environmental Toxicology and Chemistry (SETAC) meeting in Baltimore on November 14, 2001.

Administrator Whitman has announced her commitment to release an environmental report by fall of 2002. Given the high level of interest in this topic, and the history of past SAB advice that is relevant to the design and implementation of environmental reporting, a memorandum (October 15, 2001) was prepared for Governor Whitman’s staff that summarized previous EPEC and other SAB panels’ advice on issues surrounding reporting for environmental results. The memorandum, prepared by SAB staff, included advice contained in 6 SAB reports, including the 2000 report *Toward Integrated Environmental Decision-making*.

b) Future Activities:

In the next few weeks, the Committee intends to release a draft of its strategic project, *A Framework for Reporting on Ecological Condition*. Following release of a public draft for Executive Committee review, the Committee will identify follow-up activities, including briefings with Agency offices (e.g., ORD, OIG, OEI, OW) on how the reporting framework might improve information collection, management, and communication.

The Committee’s next meeting will be in January/February 2002, and is expected to include a consultation or advisory on the Agency’s proposed National Assessment of Landscape Status and Change. The national assessment would look at the status and change in landscapes across the U.S. between the early 1970’s and the early 2000’s, and would be conducted in conjunction with the Environmental Monitoring and Assessment Program (EMAP) and the Regional Vulnerability Assessment (REVA) programs.

c) An Update on Membership for FY2003:

Seven members of the Committee have terms ending September 30, 2002. Of these, three will have served the maximum term and will not be reappointed. The Chair, Dr. Young, will have completed her second term as chair and will not be eligible for reappointment. Expertise areas that will be needed include ecological modeling, ecological risk assessment, and environmental chemistry.

1.5 Environmental Economics Advisory Committee (EEAC)

The EPA Science Advisory Board's Environmental Economics Advisory Committee is responsible for reviewing and providing advice on a number of economic analysis initiatives at the EPA. Included are efforts to help the Agency develop high quality economic research plans and efforts to help the Agency develop improved environmental economic analysis procedures and guidelines.

a) Activities Since the Last EC Meeting

The Environmental Economics Advisory Committee (EEAC) has not met since the last EC meeting.

b) Future Activities

A meeting is scheduled for November 30, 2001. At this meeting, the EEAC will be briefed on EPA's continuing plans to improve their estimation techniques for the value of mortality risk reduction; to engage with the Agency in a Consultation on the Agency's use of Market Incentives in environmental policy making, and to engage in a Consultation on the approach EPA intends to take in developing an economic research strategy.

c) Status of Reports in Progress

All of the Committee's reports have been forwarded to the Administrator.

1.6 Environmental Engineering Committee (EEC)

a) Activities since the last EC Meeting

- 1) The Environmental Engineering Committee held public conference call meetings on September 5 and November 7. At those meetings the Committee
 - (a) was briefed on the activities and plans of its Subcommittees
 - (b) was briefed on the ISO 14000 and related activities of Pete Andrews at UNC, the Agency's Standards Executive, the Office of Enforcement and Compliance Assurance, Region III, and the related ISO 19011, *Guidance on Quality and/or Environmental Management Systems Auditing*
 - (c) discussed its plans for FY2002
 - (d) requested members to identify notable engineers to question about emerging issues
- 2) The Subcommittee on Industrial Ecology and Environmental Systems Management completed its commentary on industrial ecology. The commentary is now being reviewed by the EEC, which will complete that task by December 5.
- 3) The Surface Impoundments Study Subcommittee met by public conference call meeting July 19, August 27, and on September 17. Because of the events of September 11, the Subcommittee rescheduled its face-to-face meeting to October 24-25. The Subcommittee revised its draft at the October meeting, however the final revisions, originally due November 7 for consideration for approval November 26 have been delayed due to severe injuries resulting from a traffic accident experienced by a consultant .

- 4) The Agency's response to the EEC's report on EPA's Monitored Natural Attenuation research program were received. The Agency agrees with and is implementing the advice offered.
- 5) The Risk Reduction Options Selection Subcommittee has drafted its report. The DFO is working on the final edits before it is sent for approval to the Subcommittee and EEC.

b) Future Activities:

- 1) The Environmental Engineering Committee plans more conference call meetings January 30, January 31, March 6, May 1, July 3, September 4, and November 6. The purposes of these calls will be to:
 - (a) be briefed on the Risk Management Evaluation (RME) Protocol and make plans for conducting that review
 - (b) be briefed on Subcommittee activities
 - (c) consider reports for approval as they become available
 - (d) plan the FY2003 EEC agenda
- 2) The Environmental Engineering Committee plans to meet face-to face in Washington, DC to conduct the review of the Risk Management Evaluation (RME) Protocol at a time convenient to Agency and EEC.
- 3) The EEC plans to interview notables in the field to gather a wider view of emerging issues in environmental engineering and environmental risk reduction.

c) An Update on Membership for FY2003

The EEC is one of the most versatile and innovative Committees on the SAB. The members are eclectic and pragmatic in the ranges of topics they cover. They led the efforts of the SAB in dealing with issues surrounding computer models and strategic planning, introduced "the Commentary" as a device for providing advice, and have a long history of undertaking initiatives. They have a strong cross-disciplinary bent, often participating in reviews led by other Committees or inviting participation by other Committees in EEC-led reviews.

The EEC consists of ten members of whom 2-3 are usually generalists or people of related non-engineering backgrounds (such as physicists or chemists) and the remainder have backgrounds in various engineering disciplines and environmental media.

1.7 Environmental Health Committee (EHC)

The Environmental Health Committee (EHC) meet jointly with the Integrated Human Exposure Committee immediately after the last EC meeting (July 19-20 in Cincinnati, OH) to review the ORIA's proposed methodology for developing a risk-based ranking of indoor air pollutants. The report developed as a result of that meeting is now before the EC for final review and approval

The EHC will meet next early next year (2002) with the IHEC to review the Agency's draft research strategy on health risk assessment. Planning is also underway for a March, 2002 meeting to review EPA's risk assessment of trichloroethylene. The EHC will be augmented with additional

Consultants to provide greater depth of expertise on genetics, risk assessment, and epidemiology. A recent Federal Register notice solicited nominations of persons with the requisite expertise from the public.

An Update on Membership for FY2002

Drs. Michael Debaun and Dale Hattis have been appointed to the EHC as new Members. Dr. Henry Anderson has moved from the IHEC and assumed the Chair of the EHC.

1.8 Integrated Human Exposure Committee (IHEC)

The IHEC meet jointly with the Human Health Committee immediately after the last EC meeting (July 19-20 in Cincinnati, OH) to review the ORIA's proposed methodology for developing a risk-based ranking of indoor air pollutants. The report developed as a result of that meeting is now before the EC for final review and approval.

The IHEC will meet next early next year (2002) with the EHC to review the Agency's draft research strategy on health risk assessment.

An Update on Membership for FY2002

Drs. Timothy Buckley, Catherine Koshland, and George Lucier have been appointed to the IHEC as new Members. Dr. Kenneth Sexton has been appointed as Chair.

1.9 Radiation Advisory Committee (RAC)

The RAC has not met since the last EC meeting.

Planning continues for the first in an (expected) series of reviews on the Multi-Agency Radiation Laboratory Analytical Protocols (MARLAP). A January/February, 2002, date is anticipated. This review has been delayed because of problems obtaining the needed review documentation, recruiting Consultants with the needed specialized expertise, and schedule conflicts among the Members.

An Update on Membership for FY2002

Dr. Helen Grogan has been appointed to Membership.

1.10 Research Strategies Advisory Committee (RSAC)

The Research Strategies Advisory Committee (RSAC) is a Standing Committee of the Science Advisory Board (SAB) of the United States Environmental Protection Agency (USEPA). RSAC was convened to provide broad advice to the Administrator on research planning, management, and budget development for use by the Agency in its long-term budget planning process. RSAC provides a point of focus for the Board to consider the overall directions of intramural and extramural research programs of EPA, and it provides a forum to discuss issues that cut across Agency programs. RSAC also advises the Executive Committee and Standing SAB Committees on questions to consider in research reviews.

RSAC consists of one or more members drawn from the Standing Committees of the Board, as appropriate, augmented by consultants as needed to assure proper expertise and balance. RSAC is requested to provide annual testimony directly to Congress on matters related to their reviews of the ORD budget and other matters.

a) Activities since the last Executive Committee meeting

The Research Strategies Advisory Committee (RSAC) met twice since the last EC meeting on August 29th and October 16th and 17th. During the August meeting RSAC met in Dallas, TX to conduct a consultation with the Office of the Inspector General (OIG) on the “Characteristics of Science Used in Agency Rule-making” to help OIG design a pilot study to see if its auditors can help improve the use of science at EPA to inform decision-making. At its October meeting the Committee reviewed ORD’s Multiyear Plans for Water Quality and Pollution Prevention. The objective was to: a) evaluate available illustrative MYPs from a strategic standpoint, b) to understand the extent to which major issues were being addressed, particularly in the context of the overall EPA science and research strategy, c) to identify how annual performance goals were intended to relate to measures of performance, and d) more importantly, to identify topics, themes and unclear issues, i.e., “lessons learned” that could help increase the understanding and usefulness of the MYPs that are being and will be developed. The committee was also briefed on the Agency’s Contaminated Sediments Science Plan, and the status of EPA’s S&T budget.

b) Future Activities

The Committee is planning a February review of the FY 2003 budget. In preparation for this review, the Chair has met with the Deputy Administrator to discuss proposed changes to the budget review questions.

c) An Update on Membership for FY2002

Dr. Seeker completed his one-year service as Past-Chair. Drs. Ishwar Murarka and William H. Smith also completed their terms of service on RSAC to be replaced by Drs. Hilary Inyang and Steven Bartell respectively. RSAC also added Dr. Robin Cantor to the committee to get social science expertise.

1.11 *ad hoc* Subcommittees of the Executive Committee (EC)

1.11.1 Scientific and Technological Achievement Awards (STAA) Subcommittee

The Subcommittee met on June 11-12, 2001 to review 126 nominations for awards submitted by EPA. The panel is chaired by Dr. Herb Ward of Rice University. The Subcommittee recommended a total of 50% of the nominations for some level of recognition. Twenty-one nominations were recommended for an Honorable Mention, twenty-nine for a Level III award (\$1,000 divided among the EPA eligible authors); eleven for a Level II award (\$2,500), and two for a Level I award (\$5,000)

In accordance with instructions from the EC (at the meeting held in RTP last year) to broaden the exposure of this program, we have invited the authors of the two Level I award winning papers to present their findings to the EC (and others) at the November 28-29, 2001 meeting.

1.11.2 National-Scale Air Toxics Assessment (NATA) Review Panel

The NATA is an Agency plan for gaining a nation-wide assessment of the inhalation health posed by 32 hazardous air pollutants and diesel. The NATA Review Panel Chair is Dr. Mitch Small. A pre-meeting conference call was held Feb. 21, 2001 followed by a face-to-face meeting in North Carolina on March 20-21. A series of conference calls were held to prepare the draft NATA advisory. These conference calls were held on April 24, May 14 & 25, June 13th, and August 29th. The NATA Review Panel created its first public draft on June 6th, and distributed it to the public via the SAB website in a PDF format so everyone could refer to the same page and line number format. The public offered comments at the March, June and August meetings.

This project is of major importance to the Office of Air and Radiation (OAR). The NATA Review Panel conducted a public closure conference call held on August 29, 2001. A closure draft was prepared dated September 5, 2001 for review by the SAB Executive Committee in a public conference call on September 17, 2001. All discussant comments were due on November 15, 2001. The advisory is now being prepared and will be forwarded to the Administrator in early December.

1.11.3 Arsenic Benefits Rule Review Panel

The Arsenic Rule Benefits Review Panel completed its review at meetings on July 19-20, 2001 and August 14, 2001. The panel reviewed the Agency's report *Arsenic in Drinking Water Rule Economic Analysis* (EPA 815-R-00-026; December 2000). The Panel report was reviewed by the Executive Committee at its telephone conference meeting on August 27, 2001 and the final revised report was delivered to the EPA Administrator on August 30, 2001.

2. ADVISORY COMMITTEE OPERATIONS

2.1 Committee Operations Staff (with Principal Committee assignments noted)*

Team Leader: Bob Flaak (CASAC)

Designated Federal Officers: Stephanie Sanzone (EPEC), Kathleen Conway (EEC), Angela Nugent (COUNCIL), Sam Rondberg (IHEC, EHC & RAC), Tom Miller (DWC & EEAC), and Jack Kooyoomjian (NATA Subc).

Management Assistants: Wanda Fields (DWC, RSAC & EEAC), Dorothy Clark (EHC, IHEC & RAC), Diana Pozun (EC), Mary Winston (EPEC & EEC), and Rhonda Fortson (CASAC & COUNCIL)

Other Staff with Committee Operations Roles: Jack Fowle (DFO - RSAC) and Don Barnes (DFO - EC); and Betty Fortune (Support for EC).

2.2 Reports Issued this Fiscal Year (in chronological order) (R) = Full Reports; (L) = Letter Reports; (A) = Advisories; (C) = Commentaries; (N) = Notification of a Consultation; (W) = Workshop.

November:

- a) EPA Science Advisory Board (SAB) Commentary Resulting from a Workshop on the Diffusion and Adoption of Innovations in Environmental Protection (EEC) (C)

December:

- a) Arsenic Proposed Drinking Water Regulation: An EPA Science Advisory Board Review of Certain Elements of the Proposal (DWC) (R)
- b) Clean Air Scientific Advisory Committee (CASAC) Review of EPA's Health Assessment Document for Diesel Exhaust (EPA 600/8-90/057E) (R)

February:

- a) EPA's Proposed Approach for Evaluating Occurrence and Risks of Technologically Enhanced naturally Occurring Radioactive Material (TENORM) - An SAB Advisory (RAC) (A)

May:

- a) Monitored Natural Attenuation: USEPA Research program – An EPA Science Advisory Board Review (EEC) (R)
- b) FY2002 Presidential Science & Technology Budget Request for the Environmental Protection Agency: An SAB Review (RSAC) (R)
- c) Dioxin Reassessment - An SAB Review of the Office of Research and Development's Reassessment of Dioxin (EC Subc) (R)
- d) EPA Science Advisory Board Commentary on National Program Directors in ORD for Managing Large Crosscutting Programs (RSAC) (C)
- e) Exploring Opportunities for Accommodating Emerging Technologies for Continuous Monitoring in Routine Air Monitoring Networks - A Commentary Stemming from a CASAC/Agency Workshop (CASAC) (C)
- f) Notification of a Consultation on Office of Research and Development's National Program Director Program (RSAC) (N)
- g) Notification of a Consultation on Multi-year Planning and Performance Metrics for Science at EPA (RSAC) (N)
- h) Trade and the Environment - an EPA SAB Notification of a Consultation (EEAC) (N)

June:

- a) GENII Ver. 2 Environmental Radiation Dosimetry System: An SAB Advisory (RAC) (A)

July:

- a) Notification of a Consultation on the Agency's Plans for a Cumulative Risk Framework (EC) (N)
- b) Notification of a Consultation on the Agency's Preliminary Staff Paper and Risk Assessment Scoping Plan for Particulate Matter (CASAC) (N)

August:

- a) Notification of a Consultation on Environmental Systems Management Research (EEC) (N)
- b) Measures of Environmental Technology Performance: A Commentary by the EPA Science Advisory Board (EEC) (C)
- c) Improved Science Based Environmental Stakeholder Processes: An SAB Commentary (EC) (C)
- d) Recommendations on the FY2000 Scientific and Technological Achievement Award (STAA) Nominations (EC) (R)
- e) Arsenic Rule Benefits Analysis (EC) (R)

September:

- a) Understanding Public Values and Attitudes Related to Ecological Risk Management: AN SAB Workshop Report (EC) (W)
- b) Review of the Draft Analytical Plan for EPA's Second Prospective Analysis - Benefits and Costs of the Clean Air Act, 1990-2020: An Advisory by the Advisory Council for Clean Air Compliance Analysis (Council) (A)
- c) STAA Observations to Improve Visibility of the Scientific and Technological Achievement Awards (STAA): An SAB Commentary (EC) (C)
- d) Implementation of the Agency's Peer Review Program Review: An SAB Evaluation of Three Reviews (EC) (R)
- e) Review of the EPA Air Quality Criteria for Particulate Matter (Second External Review Draft) EPA 600/P-99/003bB: An EPA SAB Report (CASAC) (R)

2.3 Reports in Progress (R) = Full Reports; (L) = Letter Reports; (A) = Advisories; (C) = Commentaries, (N) = Notification of a Consultation

For EC Review on November 28-29, 2001

- a) Proposed Indoor Air Ranking Methodology (EHC/IHEC) (R)
- b) Review of the U.S. EPA Office of Research and Development's Water Quality and Pollution Prevention Multiyear Plans: An SAB Report (RSAC) (R)

For EC Review at a later date:

- a) A Framework for Reporting on Ecological Condition (EPEC) (R)
- b) STAR Program for Waters and Watersheds (EPEC) (R)
- c) Risk Reduction Options - IRP (EEC) (R)
- d) Industrial Ecology (EEC) (C)
- e) Candidate Contaminant List Research Plan (DWC) (R)

Not Subject to EC Review (CASAC/COUNCIL):

None at this time

Approved by EC and undergoing completion:

- a) Measures of Technology Performance (EEC) (C)

- b) Ecological Risk Assessment: Developing Management Objectives (EPEC) (R)
- c) Southeastern Ecological Framework (EPEC) (R)
- d) National Scale Air Toxics Assessment (NATA) (EC Subc) (R)

2.4 Staff Contact Information

For further information concerning any committee, please contact the relevant staff as noted below. Phone numbers are as follows (area code 202 for all numbers, unless otherwise noted):

Don Barnes	564-4533	Betty Fortune	564-4533
Jack Fowle	564-4547	Dorothy Clark	564-4533
Robert Flaak	564-4546	Wanda Fields	564-4533
Jack Kooyoomjian	564-4557	Diana Pozun	564-4533
Tom Miller	564-4558	Mary Winston	564-4533
Angela Nugent	564-4562	Rhonda Fortson	564-4563
Sam Rondberg	(301) 812-2560		
Stephanie Sanzone	564-4561		
Kathleen White	564-4559		

Fax for all Committee Operations Staff is: (202) 501-0582
(except for Sam Rondberg whose fax is (410) 286-2689).

E-mail for all EPA staff is: LASTNAME.FIRSTNAME@EPA.GOV (Except for Sam Rondberg whose e-mail is: SAMUELR717@AOL.COM).

2.5 Current Staffing Alignments:

Executive Committee	Don Barnes	Diana Pozun w/assistance by Betty Fortune
NATA	Jack Kooyoomjian	Betty Fortune
CASAC	Robert Flaak	Rhonda Fortson
COUNCIL	Angela Nugent	Rhonda Fortson
DWC	Tom Miller	Wanda Fields
EEAC	Tom Miller	Wanda Fields
EEC	Kathleen Conway	Mary Winston
EHC	Sam Rondberg	Dorothy Clark
EPEC	Stephanie Sanzone	Mary Winston
IHEC	Sam Rondberg	Dorothy Clark
RAC	Sam Rondberg	Dorothy Clark
RSAC	Jack Fowle	Wanda Fields
ad hoc EC Subcommittees	-- Varies with issue and scheduling --	